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Overview - Polyester (Thermoset); Molded; Synthetic Fiber Filler

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Subcategory: Filled/Reinforced Thermoset; Polyester, TS; Polymer; Thermoset

Key Words: Plastics, Polymers

Material Notes:

Polymer properties are subject to a wide variation, depending on the grade specified.

 No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to list to this material.

Physical Properties	Metric	English	Grade
Density	<u>1.7 g/cc</u>	0.0614 lb/in ³	Grade
Water Absorption	<u>0.15 %</u>	0.15 %	Grade
Linear Mold Shrinkage	<u>0.003 cm/cm</u>	0.003 in/in	Grade

Mechanical Properties

Hardness, Rockwell M	95	95	Grade
Tensile Strength, Yield	<u>40 MPa</u>	5800 psi	Grade
Tensile Modulus	<u>14 GPa</u>	2030 ksi	Grade
Flexural Modulus	<u>12 GPa</u>	1740 ksi	Grade
Flexural Yield Strength	<u>170 MPa</u>	24700 psi	Grade
Compressive Yield Strength	<u>170 MPa</u>	24700 psi	Grade
Izod Impact, Notched	<u>1.5 J/cm</u>	2.81 ft-lb/in	Grade

Electrical Properties

Electrical Resistivity	<u>1e+013 ohm-cm</u>	1e+013 ohm-cm	Grade
Dielectric Constant	4.5	4.5	Grade
Dielectric Constant, Low Frequency	4.5	4.5	Grade

